

ABSTRACT OF THE DISCLOSURE

An insulating wire separator for piping systems which protects buried pipes and cable from becoming damaged or melted from an accidental electrical charge, or caused by a lightning strike. The insulating wire separator is a multi-purpose clip device used to connect a tracer 5 wire to conduits, cables, or piping. Tracer wires are used to permit detection of buried plastic conduits, cables, or piping using conventional detection methods. The insulating wire separator includes a main conduit receiving portion having an outer strengthening rib. The insulating wire separator includes an arm portion connected to a wire clip portion. Along the arm portion, near the main conduit receiving portion, is a plate portion. The insulating wire separator can be installed on either side or on top of conduits, cables, or piping. The insulating wire separator is preferably composed of a resilient material such as plastic or rubber, so that the insulating wire separator can be resiliently deformed to receive conduits, cables, or piping as well as tracer wires. The insulating wire separator is preferably color coded, with a different color used for each utility.

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PARTS LIST

- 100 - Insulating wire Separator apparatus
110 - outer strengthening rib
120 - main conduit receiving portion
5 122 - opening in conduit receiving portion
124 - inner radius
130 - arm portion
140 - plate portion
150 - wire clip portion
10 151, - first resilient finger
152 - second resilient of finger
160 - separator post
170 - tracer wire
180 - main conduit
55 210 - first half
220 - second half
211, 212, 214, 216 - flange portions
217, 218 - threaded fasteners
221, 223 - respective nuts